



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/057,487

DATE: 10/24/2002

TIME: 16:24:03

Input Set : A:\87020073.txt
 Output Set: N:\CRF4\10242002\J057487.raw

3 <110> APPLICANT: Wyeth
 5 <120> TITLE OF INVENTION: Aggrecanase Molecules
 7 <130> FILE REFERENCE: 08702.0073
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/057,487
 C--> 9 <141> CURRENT FILING DATE: 2002-01-25
 9 <150> PRIOR APPLICATION NUMBER: 60/241,469
 10 <151> PRIOR FILING DATE: 2000-10-18
 12 <160> NUMBER OF SEQ ID NOS: 8
 14 <170> SOFTWARE: PatentIn version 3.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 242
 18 <212> TYPE: PRT
 19 <213> ORGANISM: Homo sapiens
 21 <400> SEQUENCE: 1
 23 His Pro Ser Cys Leu Gln Ala Leu Glu Pro Gln Ala Val Ser Ser Tyr
 24 1 5 10 15
 27 Leu Ser Pro Gly Ala Pro Leu Lys Gly Arg Pro Pro Ser Pro Gly Phe
 28 20 25 30
 31 Gln Arg Gln Arg Gln Arg Gln Arg Arg Ala Ala Gly Gly Ile Leu His
 32 35 40 45
 35 Leu Glu Leu Leu Val Ala Val Gly Pro Asp Val Phe Gln Ala His Gln
 36 50 55 60
 39 Glu Asp Thr Glu Arg Tyr Val Leu Thr Asn Leu Asn Ile Gly Ala Glu
 40 65 70 75 80
 43 Leu Leu Arg Asp Pro Ser Leu Gly Ala Gln Phe Arg Val His Leu Val
 44 85 90 95
 47 Lys Met Val Ile Leu Thr Glu Pro Glu Gly Ala Pro Asn Ile Thr Ala
 48 100 105 110
 51 Asn Leu Thr Ser Ser Leu Leu Ser Val Cys Gly Trp Ser Gln Thr Ile
 52 115 120 125
 55 Asn Pro Glu Asp Asp Thr Asp Pro Gly His Ala Asp Leu Val Leu Tyr
 56 130 135 140
 59 Ile Thr Arg Phe Asp Leu Glu Leu Pro Asp Gly Asn Arg Gln Val Arg
 60 145 150 155 160
 63 Gly Val Thr Gln Leu Gly Gly Ala Cys Ser Pro Thr Trp Ser Cys Leu
 64 165 170 175
 67 Ile Thr Glu Asp Thr Gly Phe Asp Leu Gly Val Thr Ile Ala His Glu
 68 180 185 190
 71 Ile Gly His Ser Phe Gly Leu Glu His Asp Gly Ala Pro Gly Ser Gly
 72 195 200 205
 75 Cys Gly Pro Ser Gly His Val Met Ala Ser Asp Gly Ala Ala Pro Arg
 76 210 215 220
 79 Ala Gly Leu Ala Trp Ser Pro Cys Ser Arg Arg Gln Leu Leu Ser Leu

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Input Set : A:\87020073.txt
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88	<211> LENGTH: 1045			
89	<212> TYPE: DNA			
90	<213> ORGANISM: Homo sapiens			
92	<400> SEQUENCE: 2			
93	gaattccggcc aaagaggcct acgagtgtgg tcaggatgga gaggtaggac aggaaggagg			60
95	gctgaatqcg gagtggggac ggacgtccgg agggtggct ggaagctcg gcgcacctcc			120
97	cacggggcgg ggcgttacctg agcaggctca gcagctgccg gcccgtcag ggggaccagg			180
99	cgaggccggc gccccggcgc ggcgttccg aagccatcac gtgtccgtcg gggccgcgc			240
101	cgctggccgg cgccgtcg tgctccaggc cgaagctgtg cccaatctca tggcaatgg			300
103	tgaactcccg gtcgaagcca gtgtccctcg taatgaggca gtcagggttt gggagcagg			360
105	caccggcccg ctqqqtgacq ccccgaccc gccgttacc atcaggcaac tccaggtaa			420
107	accttagtcat atagaggacc aggtcagcat gccaggatc cgtgtcgcc tcagggttg			480
109	tggctcqgct ccaccacag acgctcagca gggacgaggt gaggtggct gtgatatttg			540
111	gagcacccctc aggctctgtc agaatgacca ttttccaccag gtgcacccga aactgagccc			600
113	caaggggacgg gtcccaagc atttctgccc cgatgttgag gttggtgagc acatagcgct			660
115	ctgtgtccctc ctggtgagcc tggaaagacat cggggccac gcccaccagg agctccagg			720
117	gtaggatgcc gcctcgagcc cgcctctgcc tctgcctctg cctctggaa ccaggggaag			780
119	gagggcggcc tttaaggga gcaccaggc tcaagtaaga agacacggcc tgtgctcca			840
121	aagcctgaag acaactcggt tgctacacac acagcggccc cccagttccc ttccggcg			900
123	cgcacatctctc atccccatcc cggatcttgg ggaggctctc ggcttgcggc agtcaaactc			960
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132	<212> TYPE: DNA			
133	<213> ORGANISM: homo sapiens			
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136	cactagttc gtttgtctcg acagcttcag cttctttctt aaatactcct ctgaaattaa			60
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140	atccggatg gggatgagag atgcgaacgc cggaaaggaa ctggggggcc gctgtgtgt			180
142	tagcacccga gttgtcttca ggcttggag ccacaggccg tgcgttcttta cttgagccct			240
144	ggtgctccct taaaaggccg ccctccttcc cctggcttcc agaggcagag gcagaggcag			300
146	aggcgggtcg caggccgat cctacacctg gagctgtgg tggccgtggg ccccgatgtc			360
148	ttccaggctc accaggagga cacagagcgc tatgtgtca ccaacctcaa catcgggca			420
150	qaactgctc gggaccggc cctggggct cagttcggg tgcacctgg gaagatggc			480
152	attctgacag agcctgaggg tgctccaaat atcacagcca acctcaccc gtcctgtcg			540
154	agcgtctgtg ggtggagcca gaccatcaac cctgaggacg acacggatcc tggccatgt			600
156	gacctggtcc tctatatcac taggtttgac ctggagttgc ctgtgttta cccggcgg			660
158	ccggccgtca cccagctggg cgggtccctgc tcccaacct ggagctgcct cattaccgag			720
160	qacactggct tcgacccatgg agtccaccatt gcccattgaga ttggcacaag cttccgcctg			780
162	gagcacgacg gcgcccccgg cagccgtgc ggcggcccg gacacgtgtat ggcttcggac			840
164	ggccggccgc cccggccgg cctcgccctgg tccctgtca gccggccgc gctgtgtg			900
166	ctgtcgaggat agcggccggc cctgtggagg ggcgcgcgag cttccagcca gccctccgg			960
168	ctgtcgaggat cactccgcat tcagccctcc ttctgtcct acctctccat cctgaccaca			1020
170	ctgtcgaggcc tctttggcc aattc			1045
173	<210> SEQ ID NO: 4			

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Input Set : A:\87020073.txt
Output Set: N:\CRF4\10242002\J057487.raw

174 <211> LENGTH: 2217
 175 <212> TYPE: DNA
 176 <213> ORGANISM: homo sapiens
 178 <400> SEQUENCE: 4
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 181 gatggcttcg gaacgcgcgc gccccgcgc gcctcgctt ggccccctgt cagccgcgg 120
 183 caqctqctga gcctgctcag acccgctccct ccgtcgccgc tcctctgtgt ggccacccac 180
 185 ctctgcggcc qcaggagct tagtcttggt cccagccaag agccggctcc tgggggggg 240
 187 cgcggggccga gaactccgtt tcccactcac aaaaggccac gcttccaaac gttccatcc 300
 189 tcgtgcccac tcctccgtcc cgcctcctcc cggtgtacac cccgggactg agccgggct 360
 191 gagccggggcc ttgtcgcage gcatgacggg cgcgtgggtg tgggaccgcgc cggggctca 420
 193 acccggttcc gcggggcacc cgcggaaatgc qcacettggc ctctactaca ggcacaaacga 480
 195 gcaqgtccgc gtggccttcg gccccaaaggc tgctcgctgc accttcgcac gggagcacct 540
 197 ggtgagtctg cggcggttgg cctgggattt gctgttaggt ccctccgtat caccaggctc 600
 199 acgtcccccc aaacgtgtcat gatatgtgc caggccctct cctggccacac agacccctgt 660
 201 gaccaaagca qctgcagccg cctctctgtt cctctcttgg atgggacaga atgtgggtg 720
 203 gagaagtggt gctccaaggg tgcgtccgc tccctgggtgg agctgacccc catagcagca 780
 205 gtgcattggc gctggcttag ctggggtccc cgaagtcctt gctcccgctc ctgcggagga 840
 207 ggtgtgttca ccaggaggcg gcaagtcaac aacccagac ctgcctttgg gggcggtgca 900
 209 tgggtttggt ctgacacttca ggcggagatg tgcaacactc aggctcgca gaagacccag 960
 211 ctggagttca tgcgtcaaca gtgcgtccagg accgacggcc agccgctgcg ctcctccct 1020
 213 ggcggcgct ctttctacca ctgggggtgt gctgttaccac acagccaagg ggtgtcttg 1080
 215 tgcagacaca tgcgtccggc cattggcgag agcttcatca tgaagcggtt agacagcttc 1140
 217 ctcgtatggc cccgggttat gccaagtgc cccggggagg acgggacccct gacccgtgt 1200
 219 gtgtcgggca gctgcaggac atttggctgt gatggtagga tggactccca gcaggatgg 1260
 221 gacaggtgcc aggtgtgtgg tggggacaac agcacgtca gcccacggaa gggcttttc 1320
 223 acagctggca gagcgagaga atatgtcacg ttctgtacag ttaccccaa cctgaccagt 1380
 225 gtctacattt ccaaccacag gcctctcttc acacacttgg cggtaggat cggggcgcc 1440
 227 tatgtcggtt ctggaaagat gaggcatctcc cctaacacca cctacccctc cctctggag 1500
 229 gatggtcgtg tgcgttacag atggcccttc accgaggacc ggctggcccg cctggaggag 1560
 231 atccgcacatc ggggacccct ccaggaagat gctgacatcc aggtgggagg tgtcagagcc 1620
 233 cagctcatgc acatcagctg gtggaggcagg cctggcttg gagaacgaga cctgtgtgcc 1680
 235 agggcagat ggcctggagg ctccagtgtc tgagggctt ggctccgtat atgagaagct 1740
 237 gcctggccctt gacccgtgtc tgggtatgtc atgttccca ggctggggcc atctggatgc 1800
 239 cacctctgca ggggagaagg ctccctcccc atggggcagg atcaggacgg gggctcaagc 1860
 241 tgcacacgtg tggacccctg cggcagggtc gtgcctcgat tcctgcggcc gaggtctgt 1920
 243 ggagctgtgt ttcctgtca tggactctgc cctcagggtg cctgtccagg aagagctgt 1980
 245 tggcctggca agcaagctg ggagccggcg ggaggtctgc caggctgtcc cgtggccctgc 2040
 247 tcggtgttggcag tacaagctgg cggcctgcag cgtgagctgtt gggagagggg tgggtggag 2100
 249 gatectgtat tgcgtccggg cccatggggg ggacgtgtt gaggagatcc tgggtggacac 2160
 251 ccagtgcctg gggctgcctc gcccggaaacc ccaggaggcc tgcagcctgg agccctg 2217
 254 <210> SEQ ID NO: 5
 255 <211> LENGTH: 365
 256 <212> TYPE: PRT
 257 <213> ORGANISM: homo sapiens
 259 <220> FEATURE:
 260 <221> NAME/KEY: MISC_FEATURE
 261 <223> OTHER INFORMATION: unknown amino acid
 264 <220> FEATURE:

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265 <221> NAME/KEY: MISC_FEATURE
 266 <222> LOCATION: (365)..(365)
 267 <223> OTHER INFORMATION: unknown amino acid
 270 <400> SEQUENCE: 5
 272 Met Asp Met Cys Gln Ala Leu Ser Cys His Thr Asp Pro Leu Asp Gln
 273 1 5 10 15
 276 Ser Ser Cys Ser Arg Leu Leu Val Pro Leu Leu Asp Gly Thr Glu Cys
 277 20 25 30
 280 Gly Val Glu Lys Trp Cys Ser Lys Gly Arg Cys Arg Ser Leu Val Glu
 281 35 40 45
 284 Leu Thr Pro Ile Ala Ala Val His Gly Arg Trp Ser Ser Trp Gly Pro
 285 50 55 60
 288 Arg Ser Pro Cys Ser Arg Ser Cys Gly Gly Val Val Thr Arg Arg
 289 65 70 75 80
 292 Arg Gln Cys Asn Asn Pro Arg Pro Ala Phe Gly Gly Arg Ala Cys Val
 293 85 90 95
 296 Gly Ala Asp Leu Gln Ala Glu Met Cys Asn Thr Gln Ala Cys Glu Lys
 297 100 105 110
 300 Thr Gln Leu Glu Phe Met Ser Gln Gln Cys Ala Arg Thr Asp Gly Gln
 301 115 120 125
 304 Pro Leu Arg Ser Ser Pro Gly Gly Ala Ser Phe Tyr His Trp Gly Ala
 305 130 135 140
 308 Ala Val Pro His Ser Gln Gly Asp Ala Leu Cys Arg His Met Cys Arg
 309 145 150 155 160
 312 Ala Ile Gly Glu Ser Phe Ile Met Lys Arg Gly Asp Ser Phe Leu Asp
 313 165 170 175
 316 Gly Thr Arg Cys Met Pro Ser Gly Pro Arg Glu Asp Gly Thr Leu Ser
 317 180 185 190
 320 Leu Cys Val Ser Gly Ser Cys Arg Thr Phe Gly Cys Asp Gly Arg Met
 321 195 200 205
 324 Asp Ser Gln Gln Val Trp Asp Arg Cys Gln Val Cys Gly Gly Asp Asn
 325 210 215 220
 328 Ser Thr Cys Ser Pro Arg Lys Gly Ser Phe Thr Ala Gly Arg Ala Arg
 329 225 230 235 240
 332 Glu Tyr Val Thr Phe Leu Thr Val Thr Pro Asn Leu Thr Ser Val Tyr
 333 245 250 255
 336 Ile Ala Asn His Arg Pro Leu Phe Thr His Leu Ala Val Arg Ile Gly
 337 260 265 270
 340 Gly Arg Tyr Val Val Ala Gly Lys Met Ser Ile Ser Pro Asn Thr Thr
 341 275 280 285
 344 Tyr Pro Ser Leu Leu Glu Asp Gly Arg Val Glu Tyr Arg Val Ala Leu
 345 290 295 300
 348 Thr Glu Asp Arg Leu Pro Arg Leu Glu Glu Ile Arg Ile Trp Gly Pro
 349 305 310 315 320
 352 Leu Gln Glu Asp Ala Asp Ile Gln Val Gly Gly Val Arg Ala Gln Leu
 353 325 330 335
 356 Met His Ile Ser Trp Trp Ser Arg Pro Gly Leu Gly Glu Arg Asp Leu
 357 340 345 350
 W--> 360 Cys Ala Arg Gly Arg Trp Pro Gly Gly Ser Ser Asp Xaa

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Input Set : A:\87020073.txt
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361 355 360 365
364 <210> SEQ ID NO: 6
365 <211> LENGTH: 738
366 <212> TYPE: PRT
367 <213> ORGANISM: homo sapien
369 <220> FEATURE:
370 <221> NAME/KEY: MISC_FEATURE
371 <222> LOCATION: (43)..(43)
372 <223> OTHER INFORMATION: unknown amino acid
375 <220> FEATURE:
376 <221> NAME/KEY: MISC_FEATURE
377 <222> LOCATION: (192)..(192)
378 <223> OTHER INFORMATION: unknown amino acid
381 <220> FEATURE:
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383 <222> LOCATION: (255)..(255)
384 <223> OTHER INFORMATION: unknown amino acid
387 <220> FEATURE:
388 <221> NAME/KEY: MISC_FEATURE
389 <222> LOCATION: (258)..(258)
390 <223> OTHER INFORMATION: unknown amino acid
393 <220> FEATURE:
394 <221> NAME/KEY: MISC_FEATURE
395 <222> LOCATION: (374)..(374)
396 <223> OTHER INFORMATION: unknown amino acid
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401 <222> LOCATION: (397)..(397)
402 <223> OTHER INFORMATION: unknown amino acid
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406 <221> NAME/KEY: MISC_FEATURE
407 <222> LOCATION: (452)..(452)
408 <223> OTHER INFORMATION: unknown amino acid
411 <220> FEATURE:
412 <221> NAME/KEY: MISC_FEATURE
413 <222> LOCATION: (458)..(458)
414 <223> OTHER INFORMATION: unknown amino acid
417 <220> FEATURE:
418 <221> NAME/KEY: MISC_FEATURE
419 <222> LOCATION: (475)..(475)
420 <223> OTHER INFORMATION: unknown amino acid
423 <220> FEATURE:
424 <221> NAME/KEY: MISC_FEATURE
425 <222> LOCATION: (487)..(487)
426 <223> OTHER INFORMATION: unknown amino acid
429 <400> SEQUENCE: 6
431 Ser Phe Gly Leu Glu His Asp Gly Ala Pro Gly Ser Gly Cys Gly Pro
432 1 5 10 15
435 Ser Gly His Val Met Ala Ser Glu Arg Arg Pro Ala Pro Ala Ser

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/057,487

DATE: 10/24/2002
TIME: 16:24:04

Input Set : A:\87020073.txt
Output Set: N:\CRF4\10242002\J057487.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; Xaa Pos. 365
Seq#:6; Xaa Pos. 43,192,255,258,374,397,452,458,475,487

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Input Set : A:\87020073.txt
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L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:352
L:439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:32
L:475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:176
L:491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:240
L:495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:256
L:523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:368
L:527 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:384
L:543 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:448
L:547 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:464
L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:480